

DISCLOSURE LETTERS

June 1976

Rating

PM 636 - A. Lendvay 3-26-74

FILLING POWER INCREASE OF SMOKING MATERIAL

Filling power of leaf is increased by applying aqueous aluminum sulfate or closely related salt without detriment to smoke acceptability.

Disclosure about to be sent to attorneys.

PM 686 - R. Thatcher 7-10-75

CIGARETTE PACKAGE RIPPER

Fan-type impeller opens packages; unopened ones recycled.

Ready for submission shortly.

PM 692 - G. Patron 8-15-75

VIBRATING CASCADED CONVEYOR

Provides improved control and enclosure of casing system.

Awaiting more information; very little at hand.

PM 701 - R. C. Donoff 10-6-75
A. R. Pasquine
H. J. Snow
G. W. B. Taylor

LOOSE END DETECTION DEVICE

This device for simultaneous probing of all cigarettes in a pack is very close to prior art. Development is continuing to avoid possible infringement of an existing patent, and we will hold disclosure.

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PM 702 - W. R. Johnson, Jr. 10-15-75
 J. I. Seeman

THE DECOMPOSITION VIA THE SMOKING PROCESS OF NICOTINE CARBOXYLIC ACIDS TO RELEASE NICOTINE AND CARBON DIOXIDE

Holding for more information.

PM 703 - J. I. Seeman 10-15-76

THE DECOMPOSITION VIA THE SMOKING PROCESS OF NICOTINE AND OLEFINS OR DIENES OR ALCOHOLS FROM NICOTINE TO RELEASE NICOTINE AND A SPECIFICALLY CHOSEN OLEFIN OR ALCOHOL.

Holding for more information.

PM 704 - G. F. Kite 10-16-75

STABILIZATION OF DRY ICE EXPANDED TOBACCO

Before equilibrating (reordering) the product is freeze-dried.

Search completed. More information expected. Disclosure in preparation.

PM 705 - W. A. Geiszler, Jr. 10-22-75
 W. G. Houck, Jr.

CIGARET WITH CONTROLLED FLAVOR DELIVERY

Flavor such as menthol tied up (encapsulation or activated carbon) and placed at a specific location in the rod for release by smoking.

Search completed. Examining prior art with inventors.

PM 706 - W. E. Claflin 10-23-75
 L. F. Filosa

FILTER SYSTEM WITH CONTROLLED DRAW AND DILUTION CHARACTERISTICS

A ventilated cigaret is compensated for low RTD by a high RTD, low efficiency filter.

Search completed. Awaiting examples and information.

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PM 707 - W. G. Houck, Jr. 10-29-75
F. E. Resnik
R. N. Thomson

A CIGARET PRODUCT WITH POROUS TIPPING

Ventilation at the filter is achieved with porous tipping paper and perforated plug wrap or no plug wrap.

Search completed. Close prior art. Further U. S., international searches instituted. Strong interest.

PM 708 - M. F. Kelley, Jr. 11-3-75

FOAMED CELLULOSE ACETATE FIBERS, ROD, OR GRANULES FOR INCREASED FILTER EFFICIENCY

Information scant. Disclosure in preparation.

PM 711 - W. A. Geiszler, Jr. 11-7-75
W. C. Hopkins

DIAMMONIUM PHOSPHATE ADDED TO TOBACCO FILLER TO RETARD CIGARET BURN RATE

Priority case. More information expected. Disclosure in preparation.

PM 712 - F. L. Daylor 11-7-75
D. K. Keel
H. L. Speilberg

FLAVOR IMPROVEMENT OF RECONSTITUTED TOBACCO PRODUCTS

Spray DAP on RL sheet or apply in recombine liquor.

Priority case. More information expected. Disclosure in preparation.

PM 714 - W. A. Nichols 11-13-75
J. M. Washington

IMPROVED ROD TRANSPORT MECHANISM FOR EXTRUSION

More uniform, slip-free take-off of extruded filter rod at high speed is accomplished by use of garniture tape. There is close prior art. Experimentation to avoid possible infringement of existing patent continues.

Information expected on new construction.

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PM 715 - A. S. Gergely 11-19-75
G. L. Mathe

EXTRUDED PLUG-SPACE-PLUG CIGARET FILTERS AND METHOD FOR PRODUCTION OF SAME

Awaiting design changes to insure operability.

PM 716 - T. S. Laszlo 12-16-75

INSTRUMENT AND METHOD FOR THE MEASUREMENT OF MOISTURE IN TOBACCO LEAF PACKAGES

Air within tobacco mass is sampled, moisture measured (as by IR adsorption), result converted to tobacco moisture.

Apparatus being developed.

PM 717 - W. F. Mutter 12-17-75
F. M. Watson III

DIGITAL CIRCUMFERENCE GAUGE

Standard rod circumference gauge supplied with air at 20 psi, transducer measurement of pressure drop fed to computer.

Disclosure being prepared.

PM 719 - R. K. Greene 2-6-76

POST TREATMENT OF HUMIC ACID-COATED CIGARET PAPER

The elevated delivery of CO by these papers is counteracted by application of magnesium sulfate. Spotting tendency is also reduced.

PM 720 - W. A. Geiszler, Jr. 2-6-76

TIPPING PAPER WITH PATTERNED PERFORATIONS

Filter ventilation is achieved with porous plug wrap or equivalent, covered by tipping paper with relatively large holes punched out.

Prior art considerations suggest filing a design application, if any.

PM 722 - J. M. Washington 3-16-76

SYSTEM FOR PRODUCING AND FILLING CAVITIES IN A FILTER PLUG FOR CIGARETS

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Filter tow undergoes periodic stretching to form thin spots or pockets to receive granular material from pockets in a rotating wheel. The stretching is accomplished by passing the tow over two counter-rotating cams.

PM 723 - J. Namesny
J. M. Washington 3-16-76

HOT MELT ADHESIVE APPLICATION SYSTEM

Adhesive melt is printed on continuous stock such as paper by an engraved wheel. A clean pattern is assured by a destringing device: a shaft or pin spinning on its axis to catch the threads of adhesive.

PM 724 - G. Gellatly

POTASSIUM NITRATE REDUCTION OF TOBACCO EXTRACT

Selectively recover relatively pure nitrate especially from burley stems, by concentrating and cooling extract, centrifuging. Liquor recombined with tobacco.

Disclosure in preparation. Much prior art.

PM 725 - W. R. Hardesty
A. C. Lilly
W. E. Claflin

ZONE PERFORATED TIPPING PAPER: METHODS

Awaiting further information based on new designs.

PM 729 - G. F. Kite 4-29-76

INERTIAL SHREDDING OF TOBACCO STEM

Moistened stems shredded longitudinally into useful form by rapidly rotating blade without anvil.

PM 730 - A. Radwan 4-29-76

CHAIN-DRIVEN PRESS FOR HOGSHEAD TYPE MACHINE

Press for inserting probe for Thermo-Vac process modified to use with bales or cases rather than larger hogsheads.

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PM 731 - A. Radwan

4-29-76

CONVEYOR SYSTEM IN VACUUM MACHINE FOR CASES OR BALE

Vacuum conditioning machine with conveyor incorporated, for processing smaller containers of tobacco which are now in use in Canada.

PM 732 - A. S. Gergely

5-5-76

J. Namesmy

ADJUSTABLE EXTRUSION DIE FACE PLATE

Adjusting bolts operate along x and y axes for quick setting via precalibration.

PM 733 - H. B. Merritt

5-6-76

G. F. Kite

LOW TEMPERATURE STEAM EXPANSION OF AMMONIUM CARBONATE IMPREGNATED FILLER

PM 734 - F. V. Utsch

5-6-76

EXPANSION WITH AMMONIUM CARBAMATE

Tobacco impregnated by exposure to ammonium carbamate powder prior to expansion by heat. See our Armstrong et al. patent and PM 697.

PM 736 - J. D. Hind

5-20-76

NEW PROCEDURE FOR RL PREPARATION

Tobacco pectin converted to acid form by acidifying RKS, then to ammonium salt by ammonia. Improved flavor over untreated.

PM 737 - C. H. Goldsmith

5-21-76

LOW TAR DELIVERY DEVICE

Charcoal granules, carbonized or pyrolyzed material, impregnated with synthetic or natural tobacco flavors, is smoked in a pipe or the like.

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PM 738 - C. H. Goldsmith 5-21-76

LOW TAR DELIVERY CIGARET "FILLER"

Pyrolyzed tobacco material combined with equal or smaller amount of top-grade tobacco and reconstituted; or solvent-extracted tobacco flavor applied to pyrolyzed tobacco, stems, carbon fibers, etc.

PM 739 - R. T. Bass 5-25-76
R. W. Jenkins, Jr.
R. A. Comes

METHOD OF REMOVING SAND, OTHER PARTICLES, AND FOREIGN MATTER FROM TOBACCO

Method of water spraying green tobacco leaf with controlled pressure and pattern, optionally with surfactant.

PM 740 - T. A. Newman 5-25-76

ERADICATION OF TOBACCO BEETLES IN EXPANDED MATERIALS USING STEAM

PM 741 - H. B. Merritt 6-15-76
F. V. Utsch
L. M. Sykes

ULTRA-DRY TOBACCO

Expanded tobacco at about 2% o.v., not reordered, shows a major increase in filtering power when exposed 10-14 days at 75°F/60% r.h.

PM 742 - G. D. Keritsis 6-15-76

TOBACCO-FLAVOR PRECURSORS

Chitin, chitosan, glucosamine, and the like are incorporated in smoking product or wrapper to generate tobacco-like smoke flavors. Compare PM 713.

PM 743 - M. F. Kelley, Jr. 6-18-76

IMPROVED FILTER FOR DILUTED CIGARETS

Ventilation tube leads air to central part of filter.

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PM 745 - W. R. Wilkinson
L. M. Sykes

6-29-76

REMOVING LIQUID CO₂ FROM TOBACCO FILLER

Filler after draining off impregnating liquid and before depressurizing is purged with CO₂ gas to remove undrained surface liquid, prevent clumping.

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JUL 20 1966
T. S. OSBENE